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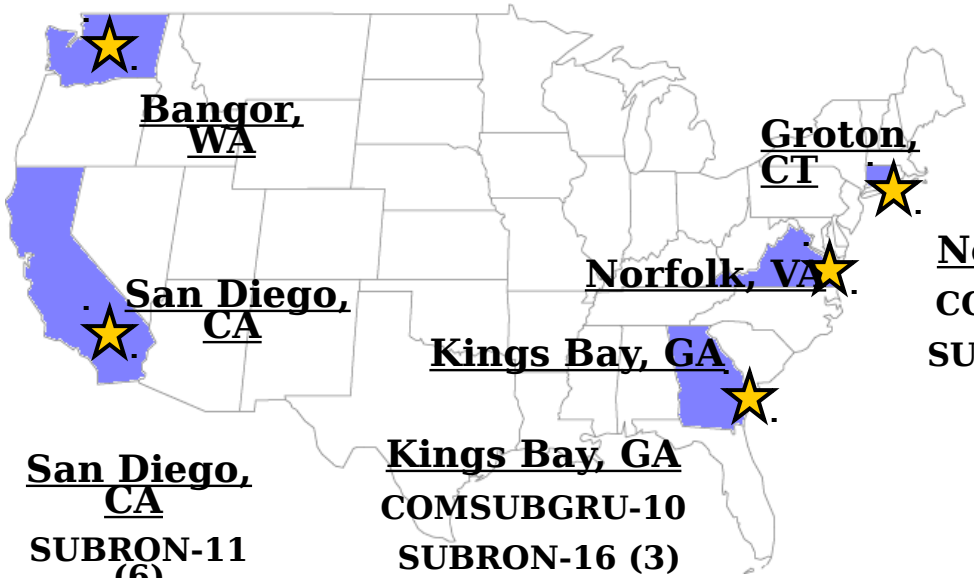
Submarine Force Brief

SUBFOR TODAY

Bangor, WA
COMSUBGRU 9
SUBDEVRON-5 (3)
SUBRON-17 (7)
SUBRON-19 (3)



Groton, CT
COMSUBGRU-2
SUBDEVRON-12 (8)
SUBRON-4 (9)

Norfolk, VA
COMSUBFOR
SUBRON-6 (7)

Pearl Harbor, HI
COMSUBPAC
SUBRON-1 (9)
SUBRON-7 (10)

San Diego, CA
SUBRON-11 (6)

Kings Bay, GA
COMSUBGRU-10
SUBRON-16 (3)
SUBRON-20 (5)

Guam
SUBRON-15 (3)

FORCE STRUCTURE
55 – SSNs (31/24) PAC/LANT
4 – SSGNs (2/2)
14 – SSBNs (8/6)

SUBFOR Manpower
Total: 22,910
Officer: 2,201 A + 489 R
Enlisted: 16,914 A + 1,075 R
Civilian: 1,720
Contractor: 511

Date: j uly 2012

Current Submarine Classes

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***Ohio* class**

Length: 560 feet, Beam: 42 feet

Displacement: Approximately 18,750 tons submerged

Speed: 20+ knots

***Los Angeles* class**

Length: 360 feet, Beam: 33 feet

Displacement: Approximately 6,900 tons submerged

Speed: 20+ knots

***Seawolf* class**

Length: SSNs 21 & 22: 353 feet; SSN 23: 453 feet,
Beam: 40 feet

Displacement:
SSNs 21 & 22: approximately 9,100 tons submerged;
SSN 23 approximately 12,200 tons submerged

Speed: 25+ knots

***Virginia* class**

Length: 377 feet, Beam: 34 feet

Displacement: Approximately 7,800 tons submerged

Speed: 25+ knots

Submarine Operations

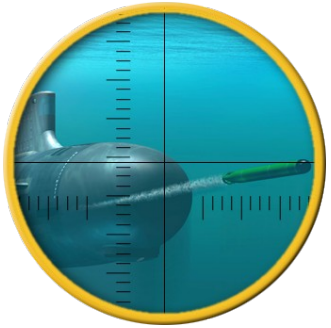
- **Undersea Warfare (USW)**
- **Global War on Terror (GWOT) & Maritime Security Operations**
- **ISR / Maritime Monitoring**
- **Information Operations**

Submarine Force Missions

Strike

Strategic Deterrence

ASW

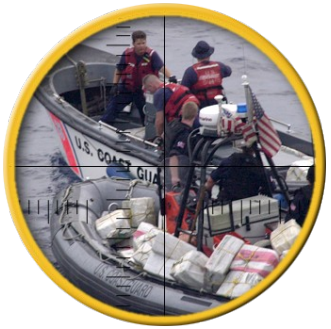


SOF

ISR

ASUW

Counter Drug Ops



Mine Warfare

Going Where Others Can't

Covert, Persistent, Mobile, Affordal

Walking the field ***Knowing the adversary***

Act from a position of understanding

Spectrum of Submarine Warfare

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Stealth... Agility... Endurance... Firepower

PEACE | **Intelligence: Battlespace Preparation** | **Pre-Hostilities** | **Conflict Escalation** | **WAR**

Precision Strike
Anti-Submarine Warfare
Anti-Ship Warfare
Offensive Mining
Special Operations Forces Support
Mine Reconnaissance
Information Operations
Intelligence Preparation of Battlespace (IPB)
Indication and Warning (I&W)
Intelligence/Surveillance/Reconnaissance
Strategic Deterrence (conducted by

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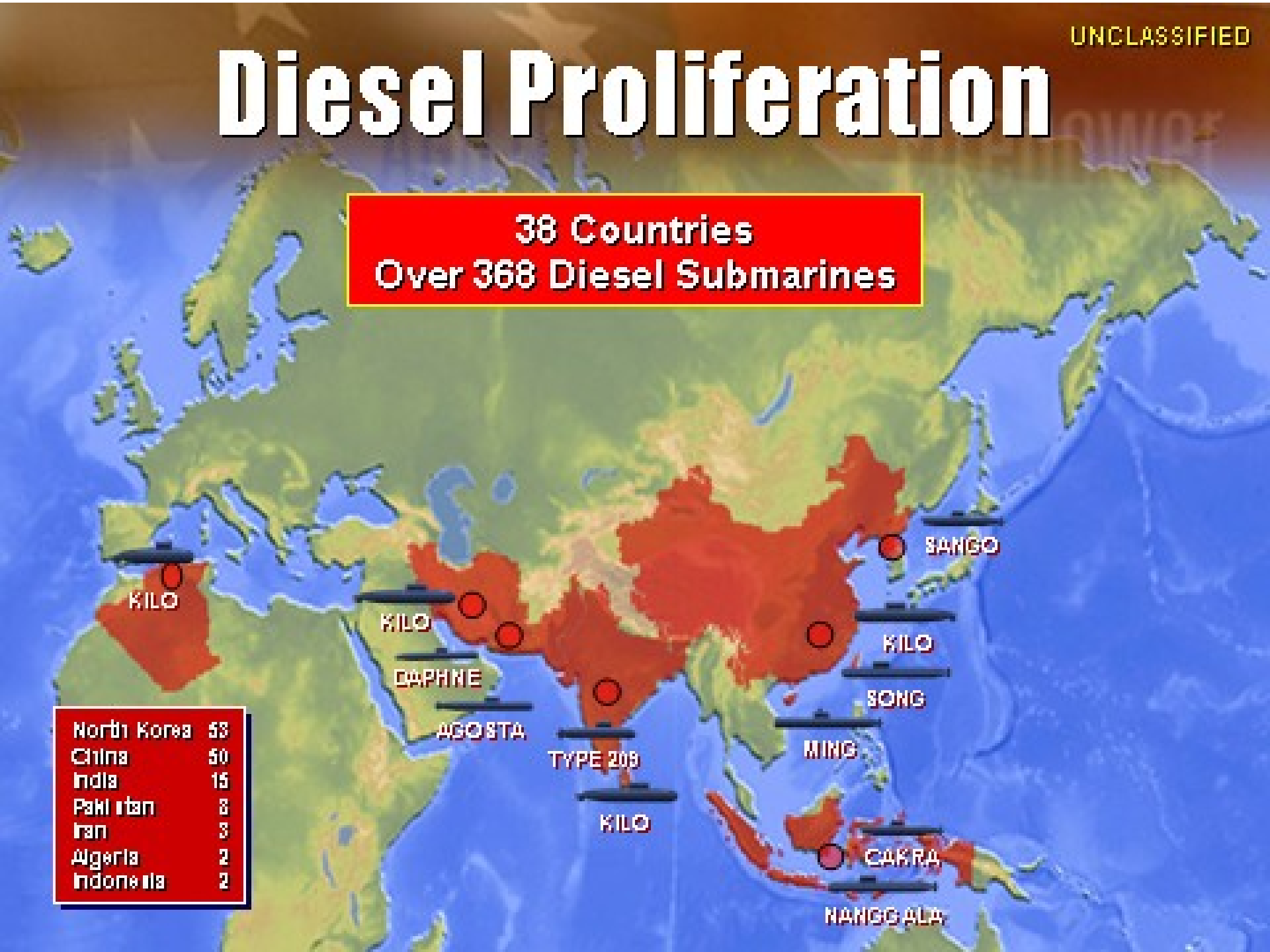
Diesel Proliferation

38 Countries
Over 368 Diesel Submarines



North Korea	53
China	50
India	15
Pakistan	8
Iran	3
Algeria	2
Indonesia	2

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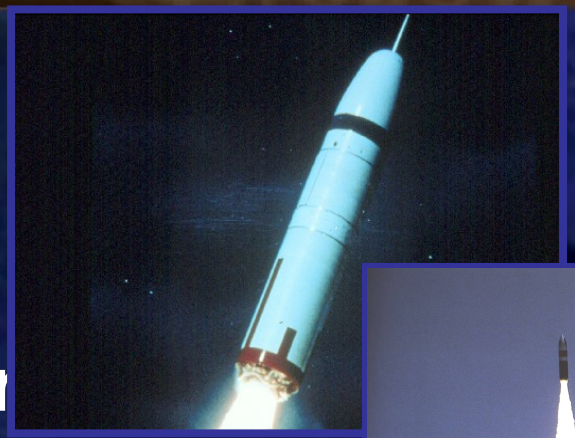
Trident Submarines

Cornerstone of Strategic Deterrence

- **54% of warheads**
- **100% of survivable warheads**
- **35% of strategic personn**
- **19% of strategic budget**
- **Over 3800 SSBN patrols**
- **ent**



Going Where Others Can't

Submarine Operations

- Undersea Warfare (USW)
- **Global War on Terror (GWOT)**
- The Road Ahead

Operation Iraqi Freedom

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12 U.S. SSNs
2 UK SSNs

SEAL Delivery

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Advanced SEAL Delivery System

Submarine Operations

- Undersea Warfare (USW)
- Global War on Terror (GWOT)
- **The Road Ahead**

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Homeland Defense Capabilities

- **ISR / Maritime Monitoring**
- **Information Operations**
- **Decisive Ship Stopping power**

International Cooperation

- **DESI Program**
- **Submarine Escape and Rescue**
  - **ISMERLO**
  - **Escape and Rescue Working Groups**

"We have conducted operations with our friends and partners in NATO, maritime security operations in the Pacific, with more activity around South America and in Africa. The ability to bring these forces together, concentrate them, distribute them, and conduct operations adds to the cooperative environment we have around the world."

-- ADM Gary Roughead, Chief of Naval Operations

Diesel Electric Submarine Initiative

- DESI Fleet Exercise Support Program:
  - **First deployment 2001**
  - **Improve coordination of international naval operations**
  - **Train USN using real-world SSKs**
- Participants**: Colombia, Peru, Chile and Canada**
  - **Possible future participants: Argentina, Brazil, Ecuador, and Norway**
- 450 ASW Exercise days over 9 deployments

International Submarine Escape and Rescue Liaison Office (ISMERLO)

- Coordinate world-wide efforts to assist distressed submarine
- Web-based monitoring, incident notification and information exchange: www.ismerlo.org
- 37 of 42 submarine operating nations participate – including Russia
- Exercise Facilitator - utilize website for LIVEX and CPX
- Successes:
  - Canadian HMCS Chicoutimi casualty off UK in October 2004
  - Russian AS-28 PRIZ rescue off Kamchatka in August 2005

ISMERLO – PRIZ Example

- Upon notification, ISMERLO alert generated via SMS and text beeper
- Used web and telephone conferences to keep nations, logistics, and responders coordinated
- Russia, US, UK, France, Sweden, Australia, and Japan offered or provided rescue assets

National Participation and website updates are essential for providing decision makers real time information and data

VIRGINIA Class

- **Built to replace aging Los Angeles class submarines**
- **Designed for post-Cold War security environment**
- **USS Virginia, USS Texas, USS Hawaii, USS North Carolina, USS New Hampshire, USS New Mexico, USS Missouri, USS California, USS Mississippi**
- **Named - Minnesota, North Dakota, John Warner, Illinois, Washington, Colorado, Indiana, South Dakota**

USS Virginia (SSN 774)

USS VIRGINIA Class – The Future is Now

- **Most advanced, quietest submarine in the world**

- **Designed and built for post-Cold War environmer**
  - **Full SOF capability**
  - **Full spectrum operations**
  - **Deployed 4 years early**

- **30 ship class**
  - **7 commissioned or delivered**
  - **6 under construction**
  - **MYP authority**

- **Cost reduction initiatives on tra**
  - **2 VA for $4 (FY05$) NLT 2012**
  - **NO requirement reduction**
  - **NO capability reduction**

SSGN

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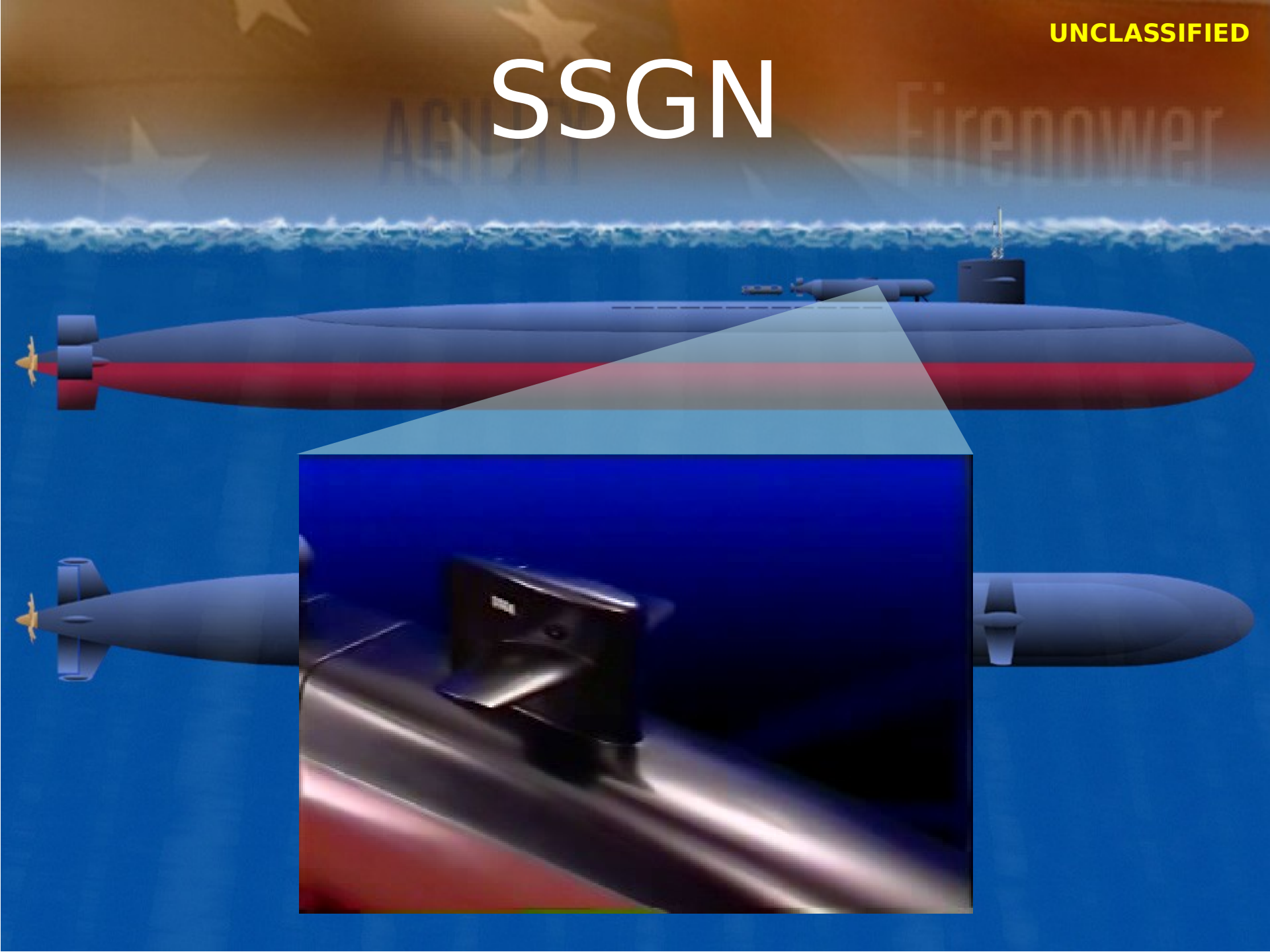
SSGN

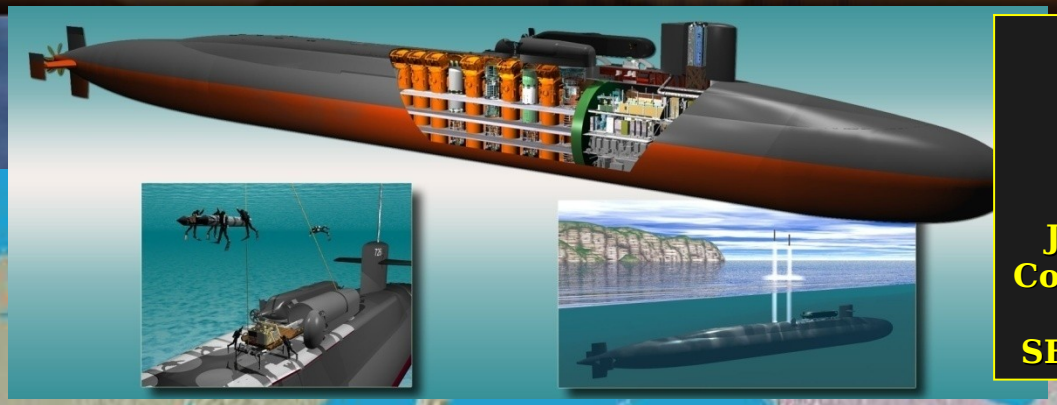


OHIO SSGN Capabilities

- Dry Deck Shelter, Lock Out Chambers, TOMAHAWKs
- A-RCI & AN/BYG-1 Combat Control System TI-04 — APB 04
- Photonics Mast with ISIS
- Reconfigurable Battle Management Center 2.0 with Small Combatant Joint Command and Control
- Common Submarine Radio Room

- AN/BLQ-10 Electronic Warfare System
- MK 48 Mod 7 ADCAP CBASS
- ASDS Capable by mid-deployment

SSGN



154 TLAM
66 SOF for more than 60 Days
2 DDS / ASDS
8 Modular SOF Storage Canisters
Battle Management Center:
Joint Connectivity and Organic C2 Capability
Comms suite has double the antennas of an SSN
SOF Habitability & Training Facilities
SEASUB – Lock-In/Lock-Out, Ordnance Package

Bangor WA

Guam

Kings Bay GA

Diego Garc

15 Months

Homeport Maintenance	SOF	Cert	Transit	Turnover/ Maintenance	Turnover/ Maintenance	Turnover/ Maintenance	Transit

10 ½ Months Theater Presence
70% Operational Availability

4 SSGNs = 2 to 3 in theater at all times

Submarine Force Emphasis

- **Maximize Operational Readiness**
- **Leaders who make right decisions**
- **Right people in the right places**
- **Adequate future capabilities**

UNITED STATES SUBMARINE FORCE

We Go Where Others Can’t . . .